

Patent Claims

1. Use of a trioxypyrimidine compound having an inhibitory activity against MMP-1, MMP-2, MMP-3, MMP-9 and MMP-14 defined as
 - a) an IC_{50} value of less than 5 μM for MMP-2, MMP-9 and MMP-14 each;
 - 5 b) a ratio of more than 100 for the IC_{50} values of MMP-1:MMP-2, MMP-1: MMP-9, MMP-1:MMP-14; and
 - c) a ratio of more than 10 for the IC_{50} values of MMP-3:MMP-2, MMP-3: MMP-9, MMP-3:MMP-14,
- 10 for the manufacturing of a medicament for the treatment of bronchial inflammatory diseases in a host mammal in need of such treatment.
2. Use according to claim 1, characterized in that said trioxypyrimidine compound is selected from the group consisting of
 - 15 5-Biphenyl-4-yl-5-[4-(4-nitro-phenyl)-piperazin-1-yl]pyrimidine-2,4,6-trione
 - 5-(4-Phenoxy-phenyl)-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
 - 5-[4-(4-Chloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
 - 20 5-[4-(3,4-Dichloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
 - 5-[4-(4-Bromo-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione.
- 25 3. Use according to claim 1 or 2, characterized in that the trioxypyrimidine compound is complexed with a water-soluble cyclodextrin.
4. Use of a trioxypyrimidine compound having an inhibitory activity against MMP-1, MMP-2, MMP-3, MMP-9 and MMP-14 defined as
 - a) an IC_{50} value of less than 5 μM for MMP-2, MMP-9 and MMP-14 each;

- 30 -

- b) a ratio of more than 100 for the IC₅₀ values of MMP-1:MMP-2, MMP-1: MMP-9, MMP-1:MMP-14; and
- c) a ratio of more than 10 for the IC₅₀ values of MMP-3:MMP-2, MMP-3: MMP-9, MMP-3:MMP-14,

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for the treatment or prevention of bronchial inflammatory diseases in a host mammal in need of such treatment.

5. Use according to claim 3, characterized in that said trioxypyrimidine compound is selected from the group consisting of

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5-Biphenyl-4-yl-5-[4-(4-nitro-phenyl)-piperazin-1-yl]pyrimidine-2,4,6-trione

5-(4-Phenoxy-phenyl)-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione

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5-[4-(4-Chloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione

5-[4-(3,4-Dichloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione

5-[4-(4-Bromo-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione.

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6. Use according to claim 4 or 5, characterized in that the trioxypyrimidine compound is complexed with a water-soluble cyclodextrin.